

Thesis:

SUPERVISOR:

A-Ph.D:

2012-2015(it is processing)

Generation of recombinant single chain variable fragment antibody (sCFv and (sCFv)₂) against CD123 antigen to target Leukemic Cancer Stem (LCS) cells. Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Shokrgozar MA and Dr. Abolhasani M and Advisors: Dr. Golkar M.

2012-2015(it is processing)

Evaluation the effect of endothelial, endometrial stem cell and angiogenic factors on osteoblast cell function seeded on nano-structured Silk/PLGA construct. Tehran University of Medical Sciences-New Technology College and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Ai J , Dr. Shokrgozar MA and Dr. Hajati and Advisors: Dr. Azami M.

2011-2015(it is processing)

Nanobody generation and selection against Iranian scorpion venom of *Hottentotta saulcyi* by phage display technique and its functional evaluation. Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Shahbazzadeh D. and Dr. Shokrgozar MA and Advisors: Dr. Behdani M and Dr. Poushang Bagheri K.

2012-2015(it is processing)

Co-transplantation of pancreatic islets and VEGF-expressing mesenchymal stem cells through scaffold in diabetic mice. Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Shokrgozar MA and Dr. Baharvand H and Advisors: Dr. Azadmanesh K and Dr. Aghdami N.

2012-2015(it is processing)

Construction of Herpes simplex oncolytic virus based on expression of ICP34.5 under control of hTERT. Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Roohvand F, Teymoori L, Dr. Shokrgozar MA and Advisors: Dr. Azadmanesh and Farasati F.

2011-2014(it is processing)

Study of regeneration competency of meniscus cartilage tissue with hydrogel scaffold in sheep model. Tehran University-Veterinary College and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Dehghan M, and Dr. Shokrgozar MA.

2011-2014(it is processing)

Autoassemble 3D nanoscaffold designing based on peptide for chondrocyte culture and regeneration. Tarbiat Modares University-Bioscience College-Nanobiotechnology Department. Supervisors: Dr. Naderimanesh H. and Dr. Shokrgozar MA.

2011-2014(it is processing)

Investigation of fluid hydrodynamic in endothelial cell culture on hollow fibers for improvement of oxygenator biocompatibility. Tehran University-Engineering College and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Amooabedini and Dr. Shokrgozar MA.

2010-2013(ended)

Synthesis and in vitro evaluation of Novel biotinylated chitosan-graft-polyethyleneimine copolymer as a targeted non-viral vector for anti-EGF receptor siRNA delivery in cancer cells. Tehran University of Medical Sciences-New Technology College and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Dinarvand and Dr.Shokrgozar MA. and Advisors: Dr. Amini M, Nomani A and Karimiarzanani M.

2010-2013(ended)

Functional differentiation of Mesenchymal Stem Cells to Endothelial cell by concurrent tensile and shear loadings. Amirkabir Technical University- Medical Engineering College and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Tafazoli Shadpour M, Dr.Shokrgozar MA. and Advisors: Dr. Haghhighipour N.

2010-2013(ended)

Human Adipose Stem Cells Transduced by EGF/TGF Coding Adenovirus Can Enhance Keratinocyte Migration and Proliferation. Pasteur Institute of Iran. Supervisors: Dr. Azadmanesh K, Dr.Shokrgozar MA, Khorammizadeh MR and Advisors: Dr. Modaresi MH.

2010-2013(ended)

Differentiation of adipose derived stem cells to schwann cells and evaluation of them at rat spinal cord injury regeneration in company with collagen recompatible scaffold. Shahid Beheshti University of Medical Sciences and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Sadeghi and Dr.Shokrgozar MA and Advisors: Dr. Norouzian and Dr. Piryaee.

2010-2013(ended)

Design and Fabrication of Biohybrid Scaffold Based on 3D Silk/SWCNT Nanocomposites Coated Aligned Fibronectin Nanofibers in Order to Evaluate the Behavior of Schwann cells. Tarbiat Modares University and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Sadeghizadeh M, Dr. Shokrgozar MA and Advisors: Dr. Soleymani M, Kokabi M.

2010-2013(ended)

Study of L1 Retrotransposition induction in neuronal cell line and its effect on apoptotic fate. Tehran University of Medical Sciences-Medical Genetic Group and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Akrami M and Dr. Shokrgozar MA and Advisors: Dr. Modaresi MH.

2010-2013(ended)

Analysis the Effects of Autologous Fibroblast Transplantation lone and Combined with low level laser in Diabetic foot wound healing and comparison of VEGF, FGF, PDGF gene expression in these two methods. Tehran University of Medical Sciences-Medical Genetic Group and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Akrami M and Dr. Shokrgozar MA and Advisors: Dr. Nilforooshzadeh MA.

2008-2011 (ended)

In silico linear B-cell epitope prediction of extra membrane loop of human B lymphocyte CD20 antigen and preparation of monoclonal antibody against it. Ph.D student in *Pharmaceutical Biotechnology*. Pasteur Institute of Iran. Supervisors: Dr. Shokrgozar MA, Dr. Bouzari S, Abolhasani M. and Advisors: Khanahmad H, Madadkar A, Aghasadeghi MR.

2008-2011 (ended)

Assessment of immunogenicity and efficacy of epitopes from leukemia associated antigens in HLA-A0201 mouse model. Ph.D student in *Medical Biotechnology*. Pasteur Institute of Iran. Supervisors: Dr. Alimohammadian MH, Dr. Shokrgozar MA, Dr. Daftarian P and Advisors: Dr. Azadmanesh K, Dr. Moosavi A.

2008-2011 (ended)

Generation and Analysis of T Cells Expressing a HER2-Specific Chimeric Receptor. Ph.D student in *Pharmaceutical Biotechnology*. Pasteur Institute of Iran. Supervisors: Dr. Rahbarizadeh F, Dr. Shokrgozar MA and Advisor: Mahboudi F.

2008-2011 (ended)

Preparation and characterization of T lymphocytes containing chimeric anti-TAG72 receptor. Ph.D student in *Pharmaceutical Biotechnology*. Pasteur Institute of Iran. Supervisors: Dr. Rahbarizadeh F, Dr. Shokrgozar MA and Advisor: Mahboudi F.

2008-2011 (ended)

Experimental study and synthesis of nanostructured supramolecules with targeted drug delivery applications. Ph.D student in nanotechnology. Sharif University. Supervisors: Dr. Vosoughi M, Dr. Adeli M, Dr. Shokrgozar MA.

2008-2011 (ended)

The role of biomechanical stimuli in myogenic induction of marrow stromal cells, adipose-derived stem cells and satellite cells of adult rat. Ph.D student in *Anatomy*. Shahid Beheshti University of Medical Sciences, Supervisors: Dr. Shokrgozar MA and Sadeghi Y and Advisor: Haghhighipour N.

2008-2011 (ended)

Biomechanical analysis of mechanical loading on the morphology and stem cell proliferation and its differentiation to engineered cells. Ph.D student in *Biomechanics*. Amir Kabir University of Technology-Medical Engineering College. Supervisors: Dr. Tafazoli-Shadpour and Dr. M.A. Shokrgozar.

2007-2009 (ended)

Preparation of a cartilage tissue engineering scaffold based on a composition of Polyvinyl alcohol and Polyurethane and study of the chondrocyte behavior after culture on it. Ph.D student in *Biomaterials*. Amir Kabir University of Technology-Medical Engineering College. Supervisors: Dr. Emami and Dr. M.A. Shokrgozar.

2008-2009 (ended)

Evaluation of gingival fibroblasts seeding on chitosan as a scaffold and their clinical and histological study on the height of keratinized gingiva in dogs. Specialist student in Periodontology. Shaheed Beheshti University of Medical Sciences, Dental School. Supervisors: Dr. R. Mofid and Dr. M.A. Shokrgozar.

2007-2008 (ended)

Photothermal treatment of SKBr3 cell lines using gold coated silica nanoshells armed with VHH anti-human epidermal growth factor receptor -2 (HER-2). Ph.D student in Medical Biochemistry. Tarbiat Modares University, Medical College. Supervisors: Dr. Rasaei and Dr. M.A. Shokrgozar.

2005-2008 (ended)

Biomechanical analysis of arterial endothelial cells reflection to cyclic loading. Ph.D student in Biomechanics. Amir Kabir University of Technology-Medical Engineering College. Supervisors: Dr. Tafazoli-Shadpour and Dr. M.A. Shokrgozar.

B-MSc:

2012-2013(ended)

Evaluation of stem cell differentiation in modified alginate microcapsule by peptid groups to endothelial cells. MSc student in Biomaterials. Semnan University and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Noorbakhsh MS, Dr. Shokrgozar MA and Advisors: Dr. Bonakdar S.

2012-2013(ended)

The effect of Iron Superparamagnetic nanoparticles coated by polyethylene glycol on physiology of cell cycle and in vivo study for identification the parameters on liver and kidney functions. MSc student in Medical Physiology. Zanzan University of Medical Sciences and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Alipour M, Dr. Shokrgozar MA and Advisors: Dr. Ghasempour S.

2011-2012(ended)

Fabrication of a drug delivery system for release of rapamycin in heart bypass surgery. Sharif University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Simchi AR and Dr. Shokrgozar MA.

2011-2012(ended)

Preparation and Evaluation of Smart Polymeric Nanoparticles Capable of stimulating the Immune System for Cancer Therapy. MSc student in Biomaterials. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. Supervisors: Dr. Emami S and Dr. Shokrgozar MA.

2011-2012(ended)

Cloning of reteplase gene in pIEx-4 His and evaluation of its expression in insect cell lines. Isfahan University of Medical Sciences, Pharmacy College and Pasteur Institute of Iran-National Cell Bank of Iran. MD student in Pharmacy. Supervisors: Dr. Mir Mohammad Sadeghi and Dr. Shokrgozar MA.

2011-2012(ended)

PCL-PVA-Gelatin fabrication for evaluating of stem cell behavior in differentiation. Islamic Azad University, Research and Science Branch and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr Karkhaneh A. and Dr. Shokrgozar M.A.

2011-2012(ended)

Skin replacement evaluation in skin regeneration(burning) and inhibition of scar in site of defect. Shahed University. MD student in medicine, Supervisors: Dr Heidari Seraj M, Dr. Shokrgozar M.A. and Advisors: Dr. Phaghihzadeh E.

2011-2012(ended)

Biomechanical and histological evaluation of polycaprolacton scaffold fabricated by electrospinning method and autologous stem cells in tendon regeneration in rabbits. Tehran University, Veterenary College and Pasteur Institute of Iran-National Cell Bank of Iran. DVM student in Veterenarian, Supervisors: Dr. Dehghan MM and Dr. Shokrgozar M.A. and Advisors: Dr. Bonakar S.

2011-2012(ended)

Evaluation of artificial skin by mesenchymal stem cells in dog's skin regeneration. Tehran University, Science College and Pasteur Institute of Iran-National Cell Bank of Iran. DVM student in Veterenarian, Supervisors: Dr. Dehghan MM and Dr. Shokrgozar M.A. and Advisors: Dr. Bonakar S.

2011-2012(ended)

Cartilage-bone nanocomposite schaffold fabricated from apatite-hydrogel. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Moztarzadeh F, Dr. Shokrgozar M.A. and Advisors: Dr. Azami M.

2010-2011(ended)

Evaluation of mesenchymal stem cells behavior in differentiation to chondrocyte on copolymer PVA and PU. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Shokrgozar M.A. and Dr. Bonakdar S.

2010-2011(ended)

Synthesis and evaluation of itaconic acid-polyethylen glycol copolymer containing of N-vinil pyrrolidone for cartilage regeneration. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Shokrgozar M.A. and Dr. Bonakdar S.

2010-2011(ended)

In vitro and clinical effect of mechanical loading on rabbit mesenchymal stem cells to cardiomyocyte cells and its function in heart regeneration(in vivo study). Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomechanic. Supervisors: Dr. Tafazoli-Shadpour M, Dr. Shokrgozar M.A. and Dr. Dehghan MM.

2010-2011(ended)

Evaluation of differentiation markers in myoskeletal cells differentiate of mouse embryonic and mesenchymal stem cells after mechanical stimulations. Khatam University and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomechanic. Supervisors: Dr. Shokrgozar M.A. and Dr. Haghhighipour N. and Advisors: Dr. Aghdami N.

2010-2011(ended)

Evaluation of uniaxial cyclic strain and electromagnetic fields in mesenchymal stem cells to osteoblast cells. Khatam University and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomechanic. Supervisors: Dr. Shokrgozar M.A. and Dr. Bolori and Advisors: Dr. Haghhighipour N.

2009-2010(ended)

Synthesis and evaluation of Ca and Mg on formation process, physical and biological properties of nano hydroxy apatite. Iran Science and Technology University and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Javadpour and Dr. Shokrgozar M.A.

2009-2010(ended)

Different template evaluation in direction of electrospined nanofibers as a scaffold on mesenchymal stem cell behavior. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Rabieae, Dr. Shokrgozar M.A and Dr. Gholipour A.

2009-2010(ended)

Evaluation of frequency and time in cyclic hydrostatic pressure on morphology and mesenchymal stem cell differentiation. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomechanic. Supervisors: Dr. Tafazoli-Shadpour M, Dr. Shokrgozar M.A. and Dr. Haghhighipour N.

2009-2010(ended)

Promotion of mechanical properties in chitosan-hydrogel scaffold using by silk for cartilage regeneration. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Rabieae, Dr. Shokrgozar M.A and Dr. Gholipour A.

2009-2010(ended)

Fabrication, characterization and biological evaluation of hydroxyapatite/twinlayer hydroxide nanocomposite schafolds. Amirkabir University of Technology and Pasteur Institute of Iran-

National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Solati-Hashtjin M, Dr. Shokrgozar M.A and and Advisors: Dr. Bonakar S.

2009-2010(ended)

Healing Potential of Mesenchymal Stem Cells Cultured on a Collagen-Based Scaffold for Skin Regeneration. Khatam University and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Cellular and Molecular Biology. Supervisors: Dr. Shokrgozar M.A. and Dr. Kashani-Ragerdi I and Advisors: Dr. Haghighipour N.

2008-2009(ended)

Synthesis and biological evaluation of magnetical solutions based on Iron superparamagnetic nanoparticles with magnesium for medical applications. Sharif University, Material College and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Maddahhosseini HR. and Dr. Shokrgozar M.A.

2008-2009(ended)

Synthesis of CdSe nanocrystals and evaluation of layer coating possibility on silicone membrane for using in biosensors. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Rabiei M, Dr. Shokrgozar M.A. and Advisors: Dr. Moztarzadeh F.

2008-2009(ended)

Myoskeletal nanofiber schafold fabrication and its evaluation. Tehran University of Medical Sciences, New Technology College. MSc student in Tissue Engineering. Supervisors: Dr. Faridi Majidi, Dr. Shokrgozar M.A. and Advisors: Dr. Ai J and Saber R.

2008-2009(ended)

Mechanical stretch evaluation on bone marrow stem cells differentiation to skeletal muscle cells. Khatam University. MSc student in Cellular and Molecular Biology. Supervisors: Dr. Shokrgozar M.A. and Advisors: Dr. Dr. Amirizadeh N. and Dr. Haghighipour N.

2008-2009(ended)

Toxicity and apoptosis study of nanosilver (Nanocid®) on normal, cancer and stem cells. Payame Noor University. MSc student in Biology-Biochemistry. Supervisors: Dr. Shahbazzadeh D, Dr. Shokrgozar M.A. and Advisors: Dr. Hajizadeh Hoseini and Ahari H.

2008-2009(ended)

Comparison between periost and alveol isolated osteoblasts. Shahid Beheshti Medical University, Dental School. Dental MD student. Supervisors: Dr. Vahabi S, Dr. Shokrgozar M.A. and Advisors: Dr. Mofid R.

2008-2009(ended)

Chitisan-polyvinyl alcohol conjugated with NGF for nerve growth and proliferation. Islamic Azad University, Science and Research Branch. MSc student in Biochemistry. Supervisors: Dr. Shokrgozar M.A. and Advisors: Dr. Eslamifar A.

2008-2009(ended)

Fabrication and development of CdSe/ZnS(core-shell) for preparing the cancer nanobiosensor. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Rabiei Mohammad and Dr. Shokrgozar M.A.

2007-2008(ended)

Mechanical loading in mesenchymal stem cells differentiation to chondrocyte cells. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Tafazoli-Shadpour M, Dr. Shokrgozar M.A. and Advisors: Dr. Haghighipour N.

2007-2008(ended)

Mechanical loading in mesenchymal stem cells differentiation to myoskeletal cells. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomechanic. Supervisors: Dr. Tafazoli-Shadpour M, Dr. Shokrgozar M.A. and Advisors: Dr. Haghighipour N.

2007-2008(ended)

Design and fabrication of micro-nano collagen fiber scaffold and its application in nerve tissue regeneration. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomechanic. Supervisors: Dr. Emami, Dr. Shokrgozar M.A. and Advisors: Dr. Sayyah M., Dr. Bahrami S.H.

2007-2008(ended)

The different parameter evaluation on nano-size fluoride-substituted apatite powders produced by hydrothermal. Iran Science and Technology University and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Javadpour, Dr. Shokrgozar M.A. and Advisors: Dr. Rezaei H.R., Dr. Oroomieae A.

2007-2008(ended)

Preparation and characterization tissue engineering scaffolds based on bioglass and unsaturated polyester. Amirkabir University of Technology and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Rabiei Mohammad and Dr. Shokrgozar M.A. and Advisors: Dr. Imani M, Sharifi S, Rabiei Mahmoud.

2007-2008(ended)

Evaluation and comparison of nano and micro high density polyethylene hydroxyapatite in vitro. Iran Science and Technology University and Pasteur Institute of Iran-National Cell Bank of Iran. MSc student in Biomaterials. Supervisors: Dr. Hoseinalipour and Dr. Shokrgozar M.A. and Advisors: Dr. Rezaei H.R., Dr. Oroomieae A.

2007-2008(ended)

Evaluation of collage type I cloning in *Pichia pastoris*. Islamic Azad University, Science and Research Branch. MSc student in Genetic. Supervisors: Dr. Shokrgozar M.A. and Dr. Khanahmad H.

2007-2008 (ended)

Mechanical and biological evaluation of a calcium phosphate-bioactive glass composite. MSc student in Biomaterials. Energy and Material Organization. Supervisors: Dr. Hesaraki and Dr. M.A. Shokrgozar.

2007-2008 (ended)

In vitro evaluation of lipocalin-2, an antioxidant protein. MSc student in Genetic. Islamic Azad University, Research and Science Branch. Supervisors: Dr. M.A. Shokrgozar and Dr. M. Habibi(advisor).

2007-2008 (ended)

Isolation and characterization of human osteoblast cells and its biocompatibility evaluation on bone scaffolds. MSc student in Biomaterial. Qazvin University of Medical Sciences, Medical College. Supervisors: Dr. Rajaei and Dr. M.A. Shokrgozar.

2007-2008 (ended)

Cloning and Lipocalin gene expression in Baculovirus. MSc student in Cell and Molecular Biology. Khatam University. Supervisors: Dr. Habibi and Dr. M.A. Shokrgozar.

2007-2008 (ended)

Evaluation and comparison of biocompatibility in composites reinforced with nano and microparticles of hydroxyapatite. MSc student in Biomaterials. Iran University of Science and Technology. Biomaterials College. Supervisors: Dr. Hosseinalipour and Dr. M.A. Shokrgozar

2006-2008 (ended)

Genetic evaluation of *Helicobacter Pylori* isolated from Iranian patients. MSc student in Microbiology. Karaj Islamic Azad University, Science Faculty, Microbiology Department. Supervisors: Dr. M. Mohammadi and Dr. M.A. Shokrgozar.

2006-2008 (ended)

Experimental study of mechanical parameters on stem cell behavior. MSc student in Biomechanics. Amir Kabir University of Technology-Medical Engineering College. Supervisors: Dr. Tafazoli-Shadpour and Dr. M.A. Shokrgozar.

2006-2008 (ended)

Study of lipocalin-2 expression in beta-thalassemia patients. MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center. Supervisor: Dr. M.A. Shokrgozar and Dr. M. Habibi(advisor).

2006-2008 (ended)

The study of cytotoxic property of selected Iranian plant extracts. MSc student in Cell and Molecular Biology. Khatam University. Supervisors: Dr. Sardari and Dr. M.A. Shokrgozar.

2006-2007 (ended)

Evaluation of Sylibinin isolated from *Sylibum Markanum* on KAI gene expression as a metastasis inhibitory gene, in prostatic cell line(PC3). MSc student in Cell and Molecular Biology. Tehran University. Supervisors: Dr. Motamed and Dr. M.A. Shokrgozar.

2006-2007 (ended)

Synthesis and Evaluation the Biocompatibility of Poly(caprolactone fumarate)/Methacrylic Acid/Hydroxyapatite Nanocomposite for Bone Regeneration. MSc student in Biomaterials. Iran University of Science and Technology. Biomaterials College. Supervisors: Dr. Khavandi and Dr. M.A. Shokrgozar.

2005-2007 (ended)

Cytotoxic effect of antitlastic drugs eluted from polymethylmethacrylate on stromal cells in Giant Cell tumor of bone: an *in vitro* analysis. Medical student(MD), Tehran University of Medical Sciences, Medical College, Supervisors: Dr. Gooran Savadkoobi and Dr. M.A. Shokrgozar.

2005-2006 (ended)

Evaluation of *Mycobacterium bovis* BCG dispersing formulations for apoptosis induction in mouse and human macrophages. MSc student in Microbiology. Pasteur Institute of Iran. Supervisors: Dr. Abolhassani M. and Dr. M.A. Shokrgozar.

2005-2006 (ended)

Evaluation of proliferation inhibition effect of human calprotectin on human gastric cancer cell line (AGS) *in vitro*. MSc student in Cell and Molecular Biology. Khatam University. Supervisors: Dr. Rezaei-Tavirani M. and Dr. M.A. Shokrgozar.

2005-2006 (ended)

Investigation and preparation of technical knowledge of artificial skin production. MSc student in chemistry. Sharif University of Technology, Petroleum College. Supervisors: Dr. Vosooghi M., Dr. Abdekhodae and Dr. M.A. Shokrgozar.

2005-2006 (ended)

Evaluation of seeding of human gingival fibroblasts on a biodegradable scaffold for gingival augmentation : A pilot study. Specialist student in Periodontology. Shaheed Beheshti University of Medical Sciences, Dental School. Supervisors: Dr. R. Mofid and Dr. M.A. Shokrgozar.

2003-2004 (ended)

Frequency analysis of HBsAg specific B-lymphocytes in healthy high responder adults to recombinant hepatitis B vaccine. MSc student in Immunology, Tehran University of Medical Sciences, School of Public Health. Supervisors: Dr. F. Shokri and Dr. M.A. Shokrgozar.

ADVISOR:

A- Ph.D

2011-2014(it is processing)

The Evaluation of Therapeutic Enhancement of Erythropoietin via Expressing two Glycosylated variants in Leishmania Tarentolea. Ph.D in Medical Biotechnology. Pasteur Institute of Iran.

2011-2014(it is processing)

Regeneration competency of meniscus tissue with chondrocytes grown on scaffold in sheep model. Ph.D student in Tissue Engineering. Tehran University of Medical Sciences.

2011-2014(it is processing)

Biopolymer fabrication based on hyaluronic acid, chitosan and silica nanoparticles for diabetic damage regeneration. Ph.D in Polymer. Amirkabir University of Technology.

2011-2014(it is processing)

Evaluation and Comparison of the effect of the Bone marrow derived mesenchymal stem cell and autologous chondrocyte on polyvinyl alcohol-poly urethane scaffold in vitro and in vivo condition for Cartilage Tissue Engineering in sheep model. Ph.D in Veterinary. Tehran University- Veterinary College.

2010-2014(ended)

Codon development, cloning and Single-chain variable fragment (scFv) expression against CD22 marker in pechia pasteuris and it,s optimization. Ph.D in Pharmaceutical Biotechnology. Pasteur Institute of Iran.

2010-2013(ended)

Mass Differentiation of Human Induced Pluripotent Stem Cells into Hepatocyte-like Cells in Stirrer Bioreactor and Functional Characterization of them in Liver Failure Model. Ph.D in Medical Biotechnology. Pasteur Institute of Iran.

2010-2013(ended)

Characterization of Hydrothermal Synthesized TiO Nanoparticles for Drug Delivery and Cancer Therapy. Ph.D in Biomaterials. Sharif University, Nanotechnology College.

2010-2013(ended)

New form of rhBMP-7 expression consisted heparin binding site in CHO cell lines and evaluation of it,s biological activities. Ph.D in Pharmaceutical Biotechnology. Pasteur Institute of Iran.

2010-2013(ended)

Chimeric antibody expression anti-CD33 marker in CHO and evaluation of cysteamine effect on its expression. Ph.D in Pharmaceutical Biotechnology. Pasteur Institute of Iran.

2009-2012(ended)

A1-GM-CSF fusion protein expression in baculovirus system for hematologic disorder biotherapy. Ph.D in Medical Biotechnology. Pasteur Institute of Iran.

2009-2012(ended)

3D structure identification of apc2,apc7,apc3 subunits in APC and designing the inhibitor compounds for evaluation of its effects on HELA and MDA-MB-435 cell lines. Ph.D in Medical Biotechnology. Pasteur Institute of Iran.

2009-2012(ended)

MicroRNA profiling in IL-2 induced cells and activated cells by anti-CD2,CD3,CD28 microbeads. Ph.D in Medical Genetic. Islamic Azad University, Science and Research Branch.

2009-2012(ended)

Differentiation induction in SSEA-1 cells isolated from male mouse bone marrow to spermatogonial stem cells. Ph.D in Tehran University of Medical Sciences, Medicine College.

2008-2011 (ended)

Experimental Production of Human Rabies Vaccine by Vero cells using Microcarriers within Bioreactor. Ph.D student in Medical Biotechnology. Pasteur Institute of Iran.

2008-2011 (ended)

Cloning and expression of human tpA gene in mammalian cell. Ph.D student in Medical Biotechnology. Pasteur Institute of Iran.

2007-2010 (ended)

Studying production and level of coagulation factor IX cDNA expression using a chimeric liver-specific promoter in a human hepatoma cell line(HepG2). Ph.D student in Genetic. Iran Center of Genetic.

2007-2010 (ended)

Cloning and expression of *Brucella* immunodominant genes in E.Coli. Ph.D student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2007-2010 (ended)

Preparation and evaluation antitumor drug-polymer model using liquid technology. Ph.D student in Pharmacology. Tehran University of Medical Sciences, School of Pharmacy.

2007-2010 (ended)

Evaluation of immunogenicity of divalent DNA vaccine encoding *Brucella melitensis* omp31 & p39 genes in BALB/c mice. Ph.D student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2007-2009 (ended)

Alterations in NR2B subunit of NMDA receptor expression in rat hippocampal neuronal culture after MDMA (Ecstasy) exposure. Ph.D student in Anatomy. Tehran University of Medical Sciences, School of Medicine.

2006-2008 (ended)

Serotonin receptor expression evaluation in response to antiproliferative drugs and its study on apoptosis induction in cancer cell lines. Ph.D student in Pharmacology. Tehran University of Medical Sciences, School of Medicine.

2006-2008 (ended)

Function evaluation of *Helicobacter Pylori* toxins in different species isolated from Iranian gastric disease, gene and protein study. Ph.D student in Bacteriology, Tehran University of Medical Sciences, School of Public Health.

2005-2008 (ended)

Designing, generation and evaluation of HCV DNA multi-epitopic construct using dominant epitope. Ph.D student in Medical Biotechnology. Pasteur Institute of Iran.

2004-2006 (ended)

Rate of two cell embryo development, GSH Level and Spindle Area in Mouse Oocyte in MEME Medium in presence of Cysteamine. Ph.D student in Anatomy. Tehran University of Medical Sciences, School of Medicine.

2004-2006 (ended)

Evaluation of MCF-7 Cells Proliferation in Co-culture with Human Adipocytes and Preadipocyte in Three Dimensional Collagen Gel Matrix: Norepinephrine, Estrogen, Leptin as a Lipolytic Factors and Insulin as a Lipogenic Factor. Ph.D student in Anatomy. Tehran University of Medical Sciences, School of Medicine.

2004-2006 (ended)

Expression and purification of r-HCV core Ag in native and truncated forms, production of mAb and characterization of the products. Ph.D student in Medical Biotechnology. Pasteur Institute of Iran.

2004-2006 (ended)

A novel single step double positive double negative selection strategy for β -globin gene replacement. Ph.D student in Medical Biotechnology. Pasteur Institute of Iran.

2003-2005 (ended)

Isolation, characterization and in vitro cardiomyogenic potential of human umbilical vein-derived mesenchymal stem cells. Ph.D student in Medical Biotechnology. Pasteur Institute of Iran.

2002-2004 (ended)

Evaluation of CD26 secretory marker in Leishmania disease. Ph.D student in Immunology. Tehran University of Medical Sciences, School of Medicine.

2002-2004 (ended)

Evaluation of protective effect of recombinant dense granule antigens GRA2 and GRA6 formulated in monophosphoryl lipid A (MPL) adjuvant against Toxoplasma chronic infection in mice. Ph.D student in Medical Biotechnology. Pasteur Institute of Iran.

2002-2004 (ended)

Designing of DNA vaccine for HTLV1 and proviral load evaluation in animal model. Ph.D student in Medical Biotechnology. Pasteur Institute of Iran.

2001-2003 (ended)

Evaluation of dendritic cells isolated from blood and mononuclear cells and potential evaluation of this cells in specific T-cell activation for Melanoma tumor markers. Ph.D student in Medical Biotechnology. Pasteur Institute of Iran.

B-MSc:

2011-2012 (ended)

In vitro evaluation mechanical properties of cancer cells in growth process. MSc student in Biomechanic. Amirkabir University of Technology.

2011-2012 (ended)

Fabrication and characterization of nanofiber scaffolds based on nanocarbon tubes and biopolymer. MSc student in Textile engineering. Gilan University, Engineering College.

2011-2012 (ended)

Contamination evaluation in RK-13, Vero and MRC-5 cell lines to Hela cell line by using DNA fingerprinting and STR technique. MSc student in Biochemistry, Payame Noor University.

2011-2012 (ended)

Biodegradability and biocompatibility evaluation in MgO/HA nanocomposite. MSc student in Biomaterials. Iran Science and Technology University.

2011-2012 (ended)

MRC-5, RK-13 and Vero contamination to Hela cell lines by STR technique. MSc student in Biochemistry. Payame Noor University.

2011-2012 (ended)

Rate of biodegradability evaluation and biocompatibility assay in MgO/HA nanocomposite. MSc student in Biomaterials. Iran Science and Technology University.

2011-2012 (ended)

The increased effect of spurt on stretch and biological properties in nanocomposite tricalcium phosphate-high density polyethylene. MSc student in Biomaterials. Iran Science and Technology University.

2011-2012 (ended)

Association between HLA-B07 and HLA-Cw*0702 in Iranian Alzheimer disease population. MSc student in Genetic. Islamic Azad University, Research and Science Branch.

2011-2012 (ended)

Design and fabrication of new nanoscaffolds by electrospinning method for nerve tissue engineering. MSc student in Biomaterials. Amirkabir University of Technology.

2011-2012 (ended)

Mutation evaluation Q793 in VWF gene of von-wilbrand disease type 3 and its families by ARMS-PCR and Real-time PCR methods. MSc student in Cellular and Molecular. Khatam University.

2011-2012 (ended)

Effects of Cyclic Shear Stress and Stretch on Differentiation of Mesenchymal Stem Cells into Endothelial cells. MSc student in Tissue Engineering. Amirkabir University of Technology.

2011-2012 (ended)

Mesenchymal stem cell differentiation evaluation to chondrocyte using hydrostatic pressure and shear loadings. MSc student in Tissue Engineering. Amirkabir University of Technology.

2011-2012 (ended)

Electrospinning of tween coax nanofiber for tissue engineering. MSc student in textile engineering. Gilan University. Engineering College.

2011-2012 (ended)

Fabrication of bone titanium scaffold by using bubble blower technique. MSc student in Biomaterials. Sharif University of Technology.

2010-2011(ended)

Fabrication and mechanical properties and biocompatibility evaluation on PHB/HA nanocomposite scaffolds without organic solutions in bone tissue engineering. MSc student in Biomaterials. Iran Science and Technology University.

2010-2011(ended)

PHB/nanobioglass synthesis and its mechanical and biocompatibility properties evaluation for bone tissue engineering. MSc student in Biomaterials. Iran Science and Technology University.

2010-2011(ended)

Collagene type I gene cloning in Pichia pastoris. MSc student in genetic. Islamic Azad University, Research and Science Branch.

2010-2011(ended)

Anti-metastasis effect of silibinin on α 5 β 1-integrin signaling pathway and important genes in MDA-MB-231 breast cancer cell lines. MSc student in Cellular and Molecular. Tehran University.

2010-2011(ended)

Lactobacillus acidophilus and *Lactobacillus casei* on *Candida albicans* infection in breast tumor infected mice. MSc student in Cellular and Molecular. Islamic Azad University, Research and Science Branch.

2010-2011(ended)

Evaluation of bone defect regeneration after treatment by osteoblasts and mesenchymal stem cell transplantation in male rabbits. MSc student in Anatomy. Qazvin Medical Sciences Universities.

2010-2011(ended)

Tendon tissue engineering by using nanofiber structure and stem cells. MSc student in Cellular and Molecular. Khatam University.

2009-2010 (ended)

Osteoblast autologous transplantation evaluation on xenograft bone scaffold in rate of bone regeneration and comparison to standard hydroxyl apatite/tricalcium phosphate in Rabbit. MSc student in Anatomy. Qazvin Medical Sciences Universities.

2009-2010 (ended)

Biocompatibility evaluation of membrane nanocomposite hybrid organic-mineral based on copolymer polyhydral oligomeric silicoicoxane and polycarbonate urea-urethane. MSc student in Biomaterials. Iran Science and Technology University.

2009-2010 (ended)

Fabrication and biological evaluation of nanohydroxy apatite/cellulose composite scaffold. MSc student in Biomaterials. Iran Science and Technology University.

2009-2010 (ended)

GRA7 gene cloning from *Toxoplasma gondii*, expression, purification and its antigenicity evaluation. MSc student in genetic. Islamic Azad University, Research and Science Branch.

2007-2008 (ended)

Fabrication and evaluation of BCP/COL/HCA, a nanocomposite scaffold property, using freeze-drying. MSc student in Biomaterials. Iran University of Science and Technology. Biomaterials College.

2007-2008 (ended)

Study of chemotherapeutic effects on chromosomal instability of mouse-human hybridoma cell line in various expansion intervals. MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2007-2008 (ended)

Biocompatibility Evaluation of an Orthopedic Nanocomposite Biomaterial Based on HDPE/UHMWPE/ TCP. MSc student in Biomaterials. Iran University of Science and Technology. Biomaterials College.

2007-2008 (ended)

Production and mechanical and biocompatibility evaluation of artificial skin prepared with new medical grade nanomaterials. MSc student in Biomaterials. Iran University of Science and Technology. Biomaterials College.

2006-2007 (ended)

Authentication of *Leishmania speciosus* with RAPD-PCR assay. MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2006-2007 (ended)

Gene structural evaluation and expression of glutathion-S-transferase in Pakistan *Anopheles Stefens*. MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2006-2007 (ended)

Investigation on immune response and induction of apoptosis by Shiga toxin and its subunits. MSc student in Cell and Molecular Biology. Khatam University.

2006-2007 (ended)

Fabrication and evaluation of polymer/seramic nanocomposite scaffolds in regulated rate. MSc student in Biomaterials. Iran University of Science and Technology. Biomaterials College.

2005-2006 (ended)

Pro-inflammatory cytokine IL-1 family, IL-6 & TNF gene polymorphisms in Iranian patients with multiple sclerosis(MS). MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2005-2006 (ended)

Evaluation of immunogenicity and protective efficacy of a recombinant GRA2 DNA vaccine against *Toxoplasma gondii* infection in C57BL/6 mice. MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2005-2006 (ended)

Study of chromosomal instability of mouse-human hybridoma cell line in various expansion intervals using special fluorescence dye. MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2005-2006 (ended)

IL2 gene cloning and expression in eukaryotic cells. MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2005-2006 (ended)

Human haematopoietic stem cells transfection using beta globin gene construct and evaluation of Homologous Recombination in selected cells. MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2004-2006 (ended)

Gene structural evaluation of glutathion-S-transferase in 3 vector of World Malaria and application of it results in regulation of disease. MSc student in Genetic. Tehran Islamic Azad University, Science Faculty, Research and Science Center.

2004-2006 (ended)

Evaluation mechanism of EBV virus on B-cell immortalization from telomerase gene. MSc student in Virology. Razi Institute of vaccine research, Virology Department.

2004-2005 (ended)

A method for isolation and cultivation of adult schwann cells for nerve conduit. MSc student in Anatomy. Tehran University of Medical Sciences, School of Medicine.

2003-2004 (ended)

The effect of partially stabilized zirconia on the biological properties of HA/HDPE composites *in vitro*. MSc student in Biomaterials. Iran University of Science and Technology. Biomaterials College.

2003-2004 (ended)

In vitro evaluation of biocompatibility of beta-tricalcium phosphate-reinforced high-density polyethylene; an orthopedic composite. MSc student in Biomaterials. Iran University of Science and Technology. Biomaterials College.

2002-2003 (ended)

Mycoplasma characterization in cell culture using methods of culture and PCR-ELISA. MSc student in Microbiology. Pasteur Institute of Iran.